

**Amendments to the Claims:**

This listing of the claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 (Original). An immunizing composition, comprising an immunizing effective amount of an antigenic product which induces an immune response against the  $\beta$ -secretase cleavage site of amyloid precursor protein (A $\beta$ PP) and a pharmaceutically acceptable carrier, diluent, excipient, adjuvant, or auxiliary agent.

2 (Original). The immunizing composition of claim 1, wherein said antigenic product comprises a dendritic polymer, built on a core molecule, which is at least difunctional so as to provide branching, and containing up to 16 terminal functional groups to which an antigenic peptide, that comprises an A $\beta$ PP epitope spanning the  $\beta$ -secretase cleavage site of A $\beta$ PP, is joined by covalent bonds.

3 (Original). The immunizing composition of claim 2, wherein said dendritic polymer contains eight terminal functional groups to which an antigenic peptide is joined.

4 (Original). The immunizing composition of claim 2, wherein said A $\beta$ PP epitope spanning the  $\beta$ -secretase cleavage site of A $\beta$ PP comprises residues 1 to 8 of SEQ ID NO:1.

5 (Original). The immunizing composition of claim 2, wherein said A $\beta$ PP epitope spanning the  $\beta$ -secretase cleavage site of A $\beta$ PP comprises SEQ ID NO:5.

6 (Original). The immunizing composition of claim 2, wherein said antigenic peptide comprises two overlapping A $\beta$ PP epitopes of said  $\beta$ -secretase cleavage site of A $\beta$ PP.

7 (Original). The immunizing composition of claim 6, wherein said two overlapping A $\beta$ PP epitopes are identical.

8 (Original). The immunizing composition of claim 2, wherein said core molecule is lysine.

9 (Original). The immunizing composition of claim 2, further comprising a molecule having adjuvant properties joined to said dendritic polymer.

10 (Original). The immunizing composition of claim 2, wherein said antigenic product is encapsulated in a liposome.

11 (Original). The immunizing composition of claim 1, wherein said antigenic product comprises a viral display vehicle displaying on its surface an A $\beta$ PP epitope spanning the  $\beta$ -secretase cleavage site of A $\beta$ PP.

12 (Original). The immunizing composition of claim 11, wherein said viral display vehicle is a filamentous bacteriophage.

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13 Original). The immunizing composition of claim 11, wherein said A $\beta$ PP epitope spanning the  $\beta$ -secretase cleavage site of A $\beta$ PP comprises residues 1 to 8 of SEQ ID NO:1.

14 (Original). The immunizing composition of claim 11, wherein said A $\beta$ PP epitope spanning the  $\beta$ -secretase cleavage site of A $\beta$ PP comprises SEQ ID NO:5.

15 (Original). A method for inducing an immune response against the  $\beta$ -secretase cleavage site of A $\beta$ PP comprising administering the immunizing composition of claim 1 to a subject in need thereof to induce an immune response against the  $\beta$ -secretase cleavage site of A $\beta$ PP and block  $\beta$ -secretase cleavage of A $\beta$ PP, thereby inhibiting the formation of amyloid  $\beta$ .

16-22 (Cancelled).